

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (Currently Amended) A[[n]] universal power supply apparatus, comprising:
a[[n]] tip [[400]]that is attachable and detachable, wherein the tip comprises a select pin [[420]]for selecting a voltage, a tip input terminal [[410]]and a tip output terminal[430]];
a main unit [[100]]having a voltage converter[[120]], an input terminal[[110]], an output terminal[[130]], and an output select unit[[200]] for converting a divided value of a reference voltage according to a state of a select stage included in the select pin[[420]] of the tip;
and
a cable[[300]] for connecting the tip and the main unit.
2. (Currently Amended) The universal power supply apparatus as claimed in claim 1, wherein the tip[[400]] is exchanged according to a desired select voltage.
3. (Currently Amended) The universal power supply apparatus as claimed in claim 1, wherein the tip[[400]] further comprises a select information display unit[[440]] for displaying selection of a tip.
4. (Currently Amended) The universal power supply apparatus as claimed in claim 3, wherein the select information display unit[[440]] comprises a numerical information display unit[[441]] for displaying an adequate shape and voltage to a DC input terminal of an electronic device, and a color information display unit[[442]] for displaying color.
5. (Previously Presented) The universal power supply apparatus as claimed in claim 1, wherein a first voltage selected by the change of the select pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

6. (Previously Presented) The universal power supply apparatus as claimed in claim 1, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

7. (Currently Amended) The universal power supply apparatus as claimed in claim 1, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit[[100]].

8. (Currently amended) The universal power supply apparatus as claimed in claim 1, wherein the universal power supply apparatus operates as an external type battery pack in which a battery [[102]]and a battery control circuit [[103]]are connected to the input terminal of the main unit[[100]].

9. (Previously Presented) The universal power supply apparatus as claimed in claim 1, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

10. (Currently Amended) The universal power supply apparatus as claimed in claim 1, wherein the voltage converter[[120]] comprises a PWM control IC[[121]] being one of components of a SMPS circuit, a FET[[Q]] being a switching device, a diode[[D]], an inductor or a transformer[[L]], and condensers[[Cin and Cout]] for smoothing voltages at input and output sides.

11. (Previously Presented) The universal power supply apparatus as claimed in claim 2, wherein a first voltage selected by the change of the select pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

12. (Previously Presented) The universal power supply apparatus as claimed in claim 3, wherein a first voltage selected by the change of the select pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

13. (Previously Presented) The universal power supply apparatus as claimed in claim 4, wherein a first voltage selected by the change of the select pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

14. (Previously Presented) The universal power supply apparatus as claimed in claim 2, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

15. (Previously Presented) The universal power supply apparatus as claimed in claim 3, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

16. (Previously Presented) The universal power supply apparatus as claimed in claim 4, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

17. (Currently Amended) The universal power supply apparatus as claimed in claim 2, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit[[100]].

18. (Currently Amended) The universal power supply apparatus as claimed in claim 3, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit[[100]].

19. (Currently Amended) The universal power supply apparatus as claimed in claim 4, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit[[100]].

20. (Currently Amended) The universal power supply apparatus as claimed in claim 2, wherein the universal power supply apparatus operates as an external type battery pack in which a battery [[102]]and a battery control circuit [[103]]are connected to the input terminal of the main unit[[100]].

21. (Currently Amended) The universal power supply apparatus as claimed in claim 3, wherein the universal power supply apparatus operates as an external type battery pack in which a battery [[102]]and a battery control circuit[[103]] are connected to the input terminal of the main unit[[100]].

22. (Currently Amended) The universal power supply apparatus as claimed in claim 4, wherein the universal power supply apparatus operates as an external type battery pack in which a battery [[102]]and a battery control circuit[[103]] are connected to the input terminal of the main unit[[100]].

23. (Previously Presented) The universal power supply apparatus as claimed in claim 2, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

24. (Previously Presented) The universal power supply apparatus as claimed in claim 3, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

25. (Previously Presented) The universal power supply apparatus as claimed in claim 4, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

26. (Currently Amended) The universal power supply apparatus as claimed in claim 2, wherein the voltage converter[[120]] comprises a PWM control IC[[121]] being one of components of a SMPS circuit, a FET [[Q]]being a switching device, a diode[[D]], an inductor or a transformer[[L]], and condensers[[Cin and Cout]] for smoothing voltages at input and output sides.

27. (Currently Amended) The universal power supply apparatus as claimed in claim 3, wherein the voltage converter[[120]] comprises a PWM control IC[[121]] being one of components of a SMPS circuit, a FET[[Q]] being a switching device, a diode[[D]], an inductor or a transformer[[L]], and condensers[[Cin and Cout]] for smoothing voltages at input and output sides.

28. (Currently Amended) The universal power supply apparatus as claimed in claim 4, wherein the voltage converter[[120]] comprises a PWM control IC[[121]] being one of components of a SMPS circuit, a FET[[Q]] being a switching device, a diode[[D]], an inductor or a transformer[[L]], and condensers[[Cin and Cout]] for smoothing voltages at input and output sides.